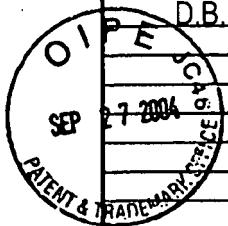


|  |   |                        |
|--|---|------------------------|
| FORM PTO-1449  | SERIAL NO.<br>09/676,584                | CASE NO.<br>10022/043  |
| <b>LIST OF PATENTS AND PUBLICATIONS FOR<br/>APPLICANT'S INFORMATION DISCLOSURE<br/>STATEMENT</b> | FILING DATE<br>September 29, 2000       | GROUP ART UNIT<br>3629 |
| (use several sheets if necessary)  | APPLICANT(S): John K. Kaltenmark et al. |                        |

**REFERENCE DESIGNATION**      **U.S. PATENT DOCUMENTS**



## FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS |  |  |      |         |                    |
|--------------------------|--|--|------|---------|--------------------|
| EXAMINER<br>INITIAL      |  | DOCUMENT<br>NUMBER<br><small>Number-Kind Code (if known)</small> | DATE | COUNTRY | CLASS/<br>SUBCLASS |
|                          |  |  |      |         |                    |
|                          |  |  |      |         |                    |
|                          |  |  |      |         |                    |
|                          |  |  |      |         |                    |

**EXAMINE  
R  
INITIAL**

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.)

| INITIAL |    |  |
|---------|----|--|
| D.B.    | F2 | Copyright Registration for Netcentric Computing: Computing, Communications and knowledge, Reg. 9 Jan. 98, p. 1                     |
| W       | F3 | Kramer, D., "The Java™ Platform: A White Paper, JavaSoft, pp. 1-25, May 1996.  |
|         | F4 | <a href="http://www.empowermentzone.com/javacomp.txt">www.empowermentzone.com/javacomp.txt</a> , Sun Microsystems, pp. 1-18, 1996. |

|          |                  |                 |            |
|----------|------------------|-----------------|------------|
| EXAMINER | /Djenane Bayard/ | DATE CONSIDERED | 04/20/2007 |
|----------|------------------|-----------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with  
next communication to applicant.



|  |  |                |
|--|--|----------------|
| FORM PTO-1449  | SERIAL NO.                               | CASE NO.       |
|  | 09/676,584                               | 10022/43       |
| LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT<br>(use several sheets if necessary) | FILING DATE                              | GROUP ART UNIT |
|  | September 29, 2000                       | 3629           |
|  | APPLICANT(S): John K. Kaltenmark, et al. |                |

**REFERENCE DESIGNATION**
**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER<br>Number-Kind Code (if known) | DATE | NAME | CLASS/ SUBCLASS | FILING DATE |
|------------------|--|------|------|-----------------|-------------|
|                  |  |      |      |                 |             |
|                  |  |      |      |                 |             |
|                  |  |      |      |                 |             |
|                  |  |      |      |                 |             |
|                  |  |      |      |                 |             |
|                  |  |      |      |                 |             |
|                  |  |      |      |                 |             |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER<br>Number-Kind Code (if known) | DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION YES OR NO |
|------------------|--|------|---------|-----------------|-----------------------|
|                  |  |      |         |                 |                       |
|                  |  |      |         |                 |                       |
|                  |  |      |         |                 |                       |
|                  |  |      |         |                 |                       |
|                  |  |      |         |                 |                       |
|                  |  |      |         |                 |                       |
|                  |  |      |         |                 |                       |

| EXAMINER INITIAL | OTHER ART - NON PATENT LITERATURE DOCUMENTS<br>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.) |  |
|------------------|--|--|
|                  | ITEM NUMBER  | DESCRIPTION  |
| D.B.             | A1   | Engestrom, J., "Software Agents, Towards Transparent Mediation, A Technology Report for Salama Interactive," Jan. 1999, pp. 1-19.  |
| D.B.             | A2   | Morris, K.C. and Flater, D., "Standards-based software testing in a Net-Centric World" pp. 1-8 (cited by Examiner, no date given)  |
| D.B.             | A3   | Raje, R. and Chinnasamy, S., "Designing a distributed computing environment for global scale systems: challenges and issues," ACM SIGAPP Applied Computing Review, Vol. 7, Issue 1, Spring 1999, pages 25-30 |
| D.B.             | A4   | Copy of co-pending patent application, U.S. Patent Application Serial No. 09/386,917, filed August 31, 1999; 340 pages, Inventor Michael K. Bowman-Amuah   |
| D.B.             | A5   | Copy of co-pending patent application, U.S. Patent Application Serial No. 10/647,411, filed August 25, 2003; 22 pages, Inventor Michael K. Bowman-Amuah  |
| D.B.             | A6   | Copy of co-pending patent application, U.S. Patent Application Serial No. 09/387,654, filed August 31, 1999; 818 pages, Inventor Michael K. Bowman-Amuah   |

|          |                  |                 |            |
|----------|------------------|-----------------|------------|
| EXAMINER | /Djenane Bayard/ | DATE CONSIDERED | 04/20/2007 |
|----------|------------------|-----------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUN 16 2004



|   |   |   |
|---|---|---|
| FORM PTO-1449<br><br>LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT<br><br>(use several sheets if necessary) | SERIAL NO.<br>09/676,584<br><br>FILING DATE<br>September 29, 2000 | CASE NO.<br>10022/043<br><br>GROUP ART UNIT<br>3629 |
| APPLICANT(S): John K. Kaltenmark et al.   |   |   |

**REFERENCE DESIGNATION**      **U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER<br>Number-Kind Code (If known) | DATE       | NAME               | CLASS/ SUBCLASS | FILING DATE |
|------------------|--|------------|--------------------|-----------------|-------------|
| D.B.             | A1 6,662,357 B1                                | 12/09/2003 | Bowman-Amuah       | 717/120         | 08/31/1999  |
|                  | A2 6,640,249 B1                                | 10/28/2003 | Bowman-Amuah       | 709/228         | 08/31/1999  |
|                  | A3 6,615,258 B1                                | 09/02/2003 | Barry et al.       | 709/223         | 09/24/1998  |
|                  | A4 6,598,046 B1                                | 07/22/2003 | Goldberg et al.    | 707/5           | 09/29/1998  |
|                  | A5 6,584,466 B1                                | 06/24/2003 | Serbinis et al.    | 707/10          | 04/07/1999  |
|                  | A6 6,529,948 B1                                | 03/04/2003 | Bowman-Amuah       | 709/217         | 08/31/1999  |
|                  | A7 6,523,027 B1                                | 02/18/2003 | Underwood          | 707/4           | 07/30/1999  |
|                  | A8 6,418,430 B1                                | 07/09/2002 | DeFazio et al.     | 707/3           | 01/10/1999  |
|                  | A9 6,405,364 B1                                | 06/11/2002 | Bowman-Amuah       | 717/101         | 08/31/1999  |
|                  | A10 6,401,097 B1                               | 06/04/2002 | McCotter et al.    | 707/102         | 01/22/1999  |
|                  | A11 6,289,382 B1                               | 09/11/2001 | Bowman-Amuah       | 709/226         | 08/31/1999  |
|                  | A12 6,256,773 B1                               | 07/03/2001 | Bowman-Amuah       | 717/1           | 08/31/1999  |
|                  | A13 6,185,573 B1                               | 02/06/2001 | Angelucci et al.   | 707/104         | 04/22/1998  |
|                  | A14 6,144,975                                  | 11/07/2000 | Harris, Jr. et al. | 707/901         | 05/05/1998  |
|                  | A15 6,061,695                                  | 05/09/2000 | Slivka et al.      | 707/513         | 12/06/1996  |
|                  | A16 6,038,560                                  | 03/14/2000 | Wical              | 707/5           | 05/21/1997  |
|                  | A17 6,029,192                                  | 02/22/2000 | Hill et al.        | 709/206         | 03/14/1997  |
|                  | A18 6,023,698                                  | 02/08/2000 | Lavey, Jr. et al.  | 707/10          | 12/05/1996  |
|                  | A19 6,012,071                                  | 01/04/2000 | Krishna et al.     | 707/522         | 01/29/1997  |
|                  | A20 6,006,171                                  | 12/21/1999 | Vines et al.       | 702/184         | 07/28/1997  |
|                  | A21 5,930,512                                  | 07/27/1999 | Boden et al.       | 395/710         | 10/18/1996  |
|                  | A22 5,924,096                                  | 07/13/1999 | Draper et al.      | 707/10          | 10/15/1997  |
|                  | A23 5,892,905                                  | 04/06/1999 | Brandt et al.      | 395/187.01      | 12/23/1996  |
|                  | A24 5,877,759                                  | 03/02/1999 | Bauer              | 345/339         | 03/26/1997  |
|                  | A25 5,835,090                                  | 11/10/1998 | Clark et al.       | 345/339         | 10/17/1996  |
|                  | A26 5,799,297                                  | 08/25/1998 | Goodridge et al.   | 707/1           | 12/15/1995  |
|                  | A27 5,781,732                                  | 07/14/1998 | Adams              | 395/200.35      | 06/20/1996  |
|                  | A28 5,761,071                                  | 06/02/1998 | Bernstein et al.   | 364/479.07      | 07/27/1996  |
|                  | A29 5,758,150                                  | 05/26/1998 | Bell et al.        | 395/610         | 10/06/1995  |
|                  | A30 5,745,753                                  | 04/28/1998 | Mosher, Jr.        | 395/618         | 01/24/1995  |
|                  | A31 5,737,533                                  | 04/07/1998 | de Hond            | 395/200.49      | 10/26/1995  |
|                  | A32 5,710,915                                  | 01/20/1998 | McElhiney          | 395/603         | 12/21/1995  |
|                  | A33 5,619,716                                  | 04/08/1997 | Nonaka et al.      | 395/800         | 06/06/1995  |
|                  | A34 5,956,479                                  | 09/21/1999 | McInerney et al.   | 395/183.14      | 11/13/1995  |
|                  | A35 5,590,270                                  | 12/31/1996 | Tsukuda et al.     | 395/701         | 02/21/1995  |
| ▼                | A36 5,535,388                                  | 07/09/1996 | Takeda             | 395/650         | 06/09/1994  |
|                  | A37 4,809,170                                  | 02/28/1989 | Leblang et al.     | 364/200         | 04/22/1987  |

**FOREIGN PATENT DOCUMENTS**

|          |                  |                 |            |
|----------|------------------|-----------------|------------|
| EXAMINER | /Djenane Bayard/ | DATE CONSIDERED | 04/20/2007 |
|----------|------------------|-----------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUN 16 2004

Page 2 of 4

|   |  |   |                        |
|---|--|---|------------------------|
| FORM PTO-1449   |  | SERIAL NO.<br>09/676,584                | CASE NO.<br>10022/043  |
| LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT |  | FILING DATE<br>September 29, 2000       | GROUP ART UNIT<br>3629 |
| (use several sheets if necessary)   |  | APPLICANT(S): John K. Kaltenmark et al. |                        |

| EXAMINER INITIAL |     | DOCUMENT NUMBER<br>Number-Kind Code (if known) | DATE       | COUNTRY        | CLASS/ SUBCLASS | TRANSLATION YES OR NO |
|------------------|-----|--|------------|----------------|-----------------|-----------------------|
| D.B.             | A38 | EP 0520923 A2                                  | 12/30/1992 | Europe         | G06F 15/21      |                       |
|                  | A39 | EP 0697655 A2                                  | 02/21/1996 | Europe         | G06F 9/46       |                       |
|                  | A40 | EP 0697691 A2                                  | 02/21/1996 | Europe         | G09G 5/14       |                       |
|                  | A41 | EP 0769739 A2                                  | 04/23/1997 | Europe         | G06F 9/44       |                       |
|                  | A42 | EP 0810520 A1                                  | 12/03/1997 | Europe         | G06F 9/44       |                       |
|                  | A43 | EP 0841616 A2                                  | 05/13/1998 | Europe         | G06F 9/445      |                       |
|                  | A44 | GB 2315891 A                                   | 02/11/1998 | United Kingdom | G06F 17/30      |                       |
|                  | A45 | WO 95/23373                                    | 08/31/1995 | PCT            | G06F 9/28       |                       |
|                  | A46 | WO 97/12311                                    | 04/03/1997 | PCT            | G06F            |                       |
|                  | A47 | WO 98/54660                                    | 12/03/1998 | PCT            | G06F 17/30      |                       |
|                  | A48 | WO 98/57260                                    | 12/17/1998 | PCT            | G06F 9/44       |                       |
|                  | A49 | WO 99/38079                                    | 07/29/1999 | PCT            | G06F 13/00      |                       |

| EXAMINER INITIAL | OTHER ART – NON PATENT LITERATURE DOCUMENTS<br>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.) |  |
|------------------|--|--|
| D.B.             | A50  | Billy B.L. Lim, "Teaching web development technologies in CS/IS curricula," ACM, copyright 1998, pp. 107-111   |
|                  | A51  | Litoiu et al., "A performance engineering tool and method for distributed applications," ACM, pp. 1-14   |
|                  | A52  | Zoller et al., "A toolkit for an automatic, data dictionary based connection of databases to the WWW," ACM, copyright 1998, pp. 706-718  |
|                  | A53  | McDowell et al., "Unloading Java classes that contain static fields," ACM, v. 33(1), 10/15/1997, pp. 56-60   |
|                  | A54  | Orfali, R., Harkey, D., Edwards, J., "Intergalactic Client/Server Computing," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp. 108-110, 114, 11, XP000501823, ISSN: 0360-5280;   |
|                  | A55  | Smeets, J., Boyer, S., "Internet and Client Server Patent Information Systems: New Services from Derwent," World Patent Information, GB, Elsevier Sciences Publishing, Barking, Vol. 20, No. 2, June 1998, pp. 136-139, XP004165804, ISSN 0172-2190  |
|                  | A56  | Orfali, R., Harkey, D., "Client/Server With Distributed Objects," Byte, McGraw-Hill, Inc., St. Peterborough, U.S., Vol. 20, No. 4, 1 April 1995, pp 151-152, 154, 156, XP000501827, ISSN 0360-5280   |
|                  | A57  | Aoyama, M., Hanai, Y., Suzuki, M., "An Integrated Software Maintenance Environment: Bridging Configuration Management and Quality Management," Proceedings of the Conference on Software Maintenance, International Conference on Software Maintenance, Washington, US, IEEE Computer Society Press, 24 October 1988 pp. 40-44 |
|                  | A58  | Borsook, P., "Seeking Security. Mainframe Techniques Define System Security. Soon, they'll be Adapted To Distributed Client/Server Systems." Byte, McGraw-Hill, Inc., St. Peterborough, Vol. 18, No. 6, 1 May 1993, pp. 119-122, 124, 12, XP000359327, ISSN 0360-5280.   |
|                  | A59  | Tanenbaum, A., "Computer Networks - Third Edition," Prentice-Hall International, London, GB, 1996, pp. 28-39, XP002161723  |
|                  | A60  | Blakeley, J.A., "Universal Data Access with OLE DB," Proceedings of IEEE Compcon, U.S. Los Alamitos, IEEE Computer Society Press, 23 Feb. 1997, pp. 2-7  |

|                              |                               |
|------------------------------|-------------------------------|
| EXAMINER<br>/Djenane Bayard/ | DATE CONSIDERED<br>04/20/2007 |
|------------------------------|-------------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUN 16 2004

Page 3 of 4

|   |                          |                                   |
|---|--------------------------|-----------------------------------|
| FORM PTO-1449   | SERIAL NO.<br>09/676,584 | CASE NO.<br>10022/043             |
| LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT |                          | FILING DATE<br>September 29, 2000 |
| (use several sheets if necessary)   |                          | GROUP ART UNIT<br>3629            |
| APPLICANT(S): John K. Kaltenmark et al.   |                          |                                   |

| EXAMINER<br>INITIAL | OTHER ART – NON PATENT LITERATURE DOCUMENTS<br>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.) |  |
|---------------------|--|--|
|                     |  |  |
| D.B.                | A61  | Voth, G.R., Kindel, C., Fujioka, J., "Distributed Application Development for Three-Tier Architectures: Microsoft on Windows DNA," IEEE Internet Computing Vol. 2, No. 2, March/April 1998, USA  |
|                     | A62  | Lambert, N., "A New Patent Search Tool For The Internet. Q-PAT US." Database, US, Cincinnati, Vol. 19, No. 4, 1 August 1996  |
|                     | A63  | Abdel-Mottaleb, M., Hsiang-Lung, W., Dimitrova, N., "Aspects of Multimedia Retrieval," Philips Journal of Research, NL, Elsevier, Amsterdam, Vol. 50, No. 1, 1996, pp. 227-251   |
|                     | A64  | Olson, M.A., "DataBlade extensions for INFORMIX-Universal Server," Compcon '97 Proceedings, IEEE, 1997, pp. 143-148  |
|                     | A65  | Chamberlin, D.D., "Evolution of Object-Relational Database Technology in DB2," Compcon '97 Proceedings, IEEE, 1997, pp. 131-135  |
|                     | A66  | Nori, A.K., Kumar, S., "Bringing Objects to the Mainstream," Compcon '97 Proceedings, IEEE, 1997, pp. 136-142  |
|                     | A67  | "Data Joiner: A Multidatabase Server Version 1," White Paper, IBM Data Management Solutions, IBM, USA, second edition (May 1995)   |
|                     | A68  | "Effective Systems management for DB2 Universal Database," White Paper, IBM Data Management Solutions, IBM, USA, first edition (December 1996)   |
|                     | A69  | Pleas, K., "Ole's Missing Links," BYTE, McGraw-Hill Inc., St. Peterborough, US, Vol. 21, No. 4, 1 April 1996, pp. 99-102 X-000586036, ISSN 0360-5280   |
|                     | A70  | Burke, M.G., Choi, J.D., Fink, S., Grove, D., Hind, M., Sarkar, V., Serrano, M.J., Sreedhar, V.C., Srinivasan, H., "The Jalapeno Dynamic Optimizing Compiler for Java," Java '99, San Francisco, CA, US, ACM 12 June 1999, pp. 129-141 XP002134655                                       |
|                     | A71  | Cramer, T., Friedman, R., Miller, T., Seberger, D., Wilson, R., Wolczko, M., "Compiling Java Just in Time," IEEE Micro, IEEE Inc., New York, US, Vol. 17, No. 3, 1 May 1997, pp. 36-43 XP000656035, ISSN: 0272-1732  |
|                     | A72  | Bank, J.S., "Java Security," 8 December 1995, pp. 1-13, X-002092325  |
|                     | A73  | Koved, L., Nadalin, A.J., Neal, D., Lawson, T., "The Evolution of Java Security," IBM, The Ultimate Resource for Java Developers, 1998, pp. 1-14, XP002144222  |
|                     | A74  | Touch, J., Hughes, A.S., "LSAM proxy cache: a multicast distributed virtual cache," Computer Networks and ISDN Systems, North Holland Publishing, Amsterdam, NL (3W3 Workshop, University of Manchester, 15-17th June, 1998), Vol. 30, No. 22-23, 25 Nov. 1998, pp. 22-23                |
|                     | A75  | Clip, P., "Servlets: CGI The Java Way," BYTE, McGraw-Hill, Inc., St. Peterborough, US, Vol. 23, No. 5, 1 May 1998, pp. 55-56   |
|                     | A76  | Gwertzman, J.S., Seltzer, M., "The Case For Geographical Push-Caching," Workshop on Hot Topics in Operating Systems, 4 May 1995, pp. 51-55   |
|                     | A77  | Chamberlin, D.D., "Using the new DB2: IBM's object-relational database system," Morgan Kaufmann Publishers, USA, 1996, ISBN 1-55860-373-5, pp. 561-567   |
|                     | A78  | North, K., "Database Programming with OLE and ActiveX," DBMS, US, M&T Publ., Redwood City, CA, US, 11-1996, pp. 1-8  |
| ↓                   | A79  | Joshi, S.M., Veeramani, D., "Book Review. Increasing the Interoperability of CAD Packages. CAD and Office Integration: OLE for Design and Modeling – A New Technology for CA-Software," Computer Aided Design, Elsevier Publishers BV, Barking, GB, Vol. 29, No. 12, 12/01/1997, pp. 907 |

|                              |                               |
|------------------------------|-------------------------------|
| EXAMINER<br>/Djenane Bayard/ | DATE CONSIDERED<br>04/20/2007 |
|------------------------------|-------------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JUN 16 2004

Page 4 of 4

|   |   |                        |
|---|---|------------------------|
| FORM PTO-1449   | SERIAL NO.<br>09/676,584                | CASE NO.<br>10022/043  |
| LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT | FILING DATE<br>September 29, 2000       | GROUP ART UNIT<br>3629 |
| (use several sheets if necessary)   | APPLICANT(S): John K. Kaltenmark et al. |                        |

| EXAMINER<br>INITIAL | OTHER ART – NON PATENT LITERATURE DOCUMENTS<br>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.) |  |
|---------------------|--|--|
|                     |  |  |
| D.B.                | A80  | Schmoll, J. "Wird OLE for Process Controll (OPC) Ein Neuer Industriestandard?", Automatisierungstechnische Praxis, ATP, Oldenbourg Verlag, Munchen, DE, Vol. 39, No. 5, 05/01/1997, pp. 11-12, 14-17 |
| D.B.                | A81  | Williams, S., Kindel, C., "The Component Object Model. The Foundation for OLE Services," Dr. Dobb's Special Report. Winter, 1994/95, Vol. 19, No. 16, 12/21/1994 pp. 14-22                           |
| D.B.                | A82  | Smith, D., Tilley, S.R., Weiderman, N.H., "Transforming Legacy Application into Object-Oriented Applications Workshop, Will Net-Centric Computing Change the Reengineering Equation?" 1996, pp. 1-4  |
| D.B.                | A83  | Hamilton, M.A., "Java and the shift to Net-centric computer," Sun Microsystems, Computer, paper published Aug. 1996, ISSN: 0018-9162, Aug. 1996, pp. 31-39   |

|                              |                               |
|------------------------------|-------------------------------|
| EXAMINER<br>/Djenane Bayard/ | DATE CONSIDERED<br>04/20/2007 |
|------------------------------|-------------------------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet 1 of 2

**Complete If Known**

|                        |                           |
|------------------------|---------------------------|
| Application Number     | 09/676,584                |
| Filing Date            | September 29, 2001        |
| First Named Inventor   | John K. Kaltenmark et al. |
| Group Art Unit         | 2161                      |
| Examiner Name          | Unknown                   |
| Attorney Docket Number | 10022/043                 |

RECEIVED  
OCT 16 2001  
Technology Center 2100

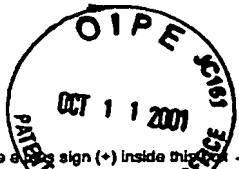
| FOREIGN PATENT DOCUMENTS       |                       |                         |                     |   |   |   |
|--------------------------------|-----------------------|-------------------------|---------------------|---|---|---|
| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Foreign Patent Document |                     | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                                |                       | Office <sup>2</sup>     | Number <sup>2</sup> | Kind Code <sup>3</sup> (if known)               |   |   |
| D.B.                           | WO                    | 98/52121                | A2                  | Electronic Data Systems Corp.                   | 11/19/1998  |   |
|                                | —                     |                         |                     |   | —   |   |
|                                | WO                    | 98/52121                | A3                  | Electronic Data Systems Corp.                   | 11/19/1998  |   |
|                                | —                     |                         |                     |   | —   |   |
|                                | WO                    | 98/53396                | A1                  | Electronic Data Systems Corp.                   | 11/26/1998  |   |
|                                | —                     |                         |                     |   | —   |   |
| V                              | EP                    | 0 829 808               | A3                  | NEC Corporation                                 | 03/18/1998  |   |
|                                | EP                    | 0 915 422               | A1                  | Hewlett Packard Co.                             | 05/12/1999  |   |
|                                | WO                    | 92/20022                | A1                  | Digital Equipment Corp.                         | 11/12/1992  |   |

|                       |                  |                    |            |
|-----------------------|------------------|--------------------|------------|
| Examiner<br>Signature | /Djenane Bayard/ | Date<br>Considered | 04/20/2007 |
|-----------------------|------------------|--------------------|------------|

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached *Kinds of U.S. Patent Documents*. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



Please type ~~the~~ sign (+) inside this box →

PTO/SB/088 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. GOVERNMENT PRINTING OFFICE: 2002 500-1000

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT |   |    |   | Complete If Known      |                       |
|--|---|----|---|------------------------|-----------------------|
| (use as many sheets as necessary)                |   |    |   | Application Number     | 09/676,584            |
|  |   |    |   | Filing Date            | September 29, 2000    |
|  |   |    |   | First Named Inventor   | John K. Kaltenmark et |
|  |   |    |   | Group Art Unit         | 2161                  |
|  |   |    |   | Examiner Name          | Not Known             |
|  |   |    |   | Attorney Docket Number | 10022/043             |
| Sheet  | 2 | of | 2 |                        |                       |

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

|                               |                  |                            |            |
|-------------------------------|------------------|----------------------------|------------|
| <b>Examiner<br/>Signature</b> | /Djenane Bayard/ | <b>Date<br/>Considered</b> | 04/20/2007 |
|-------------------------------|------------------|----------------------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**1 Unique citation designation number.** **2 Applicant is to place a check mark here if English Language Translation is attached.**

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)  
Approved for use through 10/31/2002, OMB 0651-0031  
U.S. GOVERNMENT PRINTING OFFICE: 2002 50-130-000

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |   |    |   |                        |                           |
|--|---|----|---|------------------------|---------------------------|
| Substitute for form 1449A/PTO  |   |    |   | Complete If Known      |                           |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |   |    |   | Application Number     | 09/676,584                |
|  |   |    |   | Filing Date            | September 29, 2001        |
|  |   |    |   | First Named Inventor   | John K. Kaltenmark et al. |
|  |   |    |   | Group Art Unit         | 2161                      |
|  |   |    |   | Examiner Name          | Unknown                   |
| Sheet  | 1 | of | 1 | Attorney Docket Number | 10022/043                 |

RECEIVED  
JUN 14 2001

Technology Center 2100

|                               |                  |                            |            |
|-------------------------------|------------------|----------------------------|------------|
| <b>Examiner<br/>Signature</b> | /Djenane Bayard/ | <b>Date<br/>Considered</b> | 04/20/2007 |
|-------------------------------|------------------|----------------------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



Please type a plus sign (+) inside this box →

Approved for use through 10/31/2002. OMB 0651-0031  
U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                                       |  |  |   |  |                    |            |             |                    |                      |                                       |                |      |               |                        |                        |           |  |         |
|--|---------------------------------------|--|--|---|--|--------------------|------------|-------------|--------------------|----------------------|---------------------------------------|----------------|------|---------------|------------------------|------------------------|-----------|--|---------|
| <p>Substitute for Form 1449B/PTO</p> <p><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p> <p>Sheet 1 of 1</p> |                                       |  |  | <p><b>Complete If Known</b></p> <table border="1"> <tr> <td>Application Number</td> <td>09/676,584</td> </tr> <tr> <td>Filing Date</td> <td>September 29, 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>RECEIVED<br/>John K. Kaltenmark et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>2181</td> </tr> <tr> <td>Examiner Name</td> <td>MAR 14 2001<br/>Unknown</td> </tr> <tr> <td>Attorney Docket Number</td> <td>10022/043</td> </tr> <tr> <td></td> <td>Group 2</td> </tr> </table> |  | Application Number | 09/676,584 | Filing Date | September 29, 2000 | First Named Inventor | RECEIVED<br>John K. Kaltenmark et al. | Group Art Unit | 2181 | Examiner Name | MAR 14 2001<br>Unknown | Attorney Docket Number | 10022/043 |  | Group 2 |
| Application Number   | 09/676,584                            |  |  |   |  |                    |            |             |                    |                      |                                       |                |      |               |                        |                        |           |  |         |
| Filing Date  | September 29, 2000                    |  |  |   |  |                    |            |             |                    |                      |                                       |                |      |               |                        |                        |           |  |         |
| First Named Inventor   | RECEIVED<br>John K. Kaltenmark et al. |  |  |   |  |                    |            |             |                    |                      |                                       |                |      |               |                        |                        |           |  |         |
| Group Art Unit   | 2181                                  |  |  |   |  |                    |            |             |                    |                      |                                       |                |      |               |                        |                        |           |  |         |
| Examiner Name  | MAR 14 2001<br>Unknown                |  |  |   |  |                    |            |             |                    |                      |                                       |                |      |               |                        |                        |           |  |         |
| Attorney Docket Number   | 10022/043                             |  |  |   |  |                    |            |             |                    |                      |                                       |                |      |               |                        |                        |           |  |         |
|  | Group 2                               |  |  |   |  |                    |            |             |                    |                      |                                       |                |      |               |                        |                        |           |  |         |

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Examiner<br>Initials* | Cite<br>No.* | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|-----------------------|--------------|---|----------------|
| D.B.                  |              | RYAN, H.W., SARGENT, S.R., BOUDREAU, T.M., ARVANITIS, Y.S., TAYLOR, S.J., MINDRUM, C.; "Practical Guide to Client/Server Computing," Second Edition, pp. 1-774; Copyright 1998, CRC Press LLC, Boca Raton, FL, United States                                    |                |
| D.B.                  |              | RYAN, H.W.; ALBER, M.W.; TAYLOR, S.J.; CHANG, R.A.; ARVANITIS, Y.S.; DAVIS, M.C.; MULLEN, N.K.; DOVE, S.L.; MEHRA, P.N.; MINDRUM, C.; "Netcentric Computing, Computing, Communications and Knowledge," pp. 1-413; Copyright 1998, CRC Press                     |                |
|                       |              | LLC, Boca Raton, FL, United States.   |                |
|                       |              |   |                |
|                       |              |   |                |
|                       |              |   |                |
|                       |              |   |                |
|                       |              |   |                |

|                               |                  |                            |            |
|-------------------------------|------------------|----------------------------|------------|
| <b>Examiner<br/>Signature</b> | /Djenane Bayard/ | <b>Date<br/>Considered</b> | 04/20/2007 |
|-------------------------------|------------------|----------------------------|------------|

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**